

FIG. 1

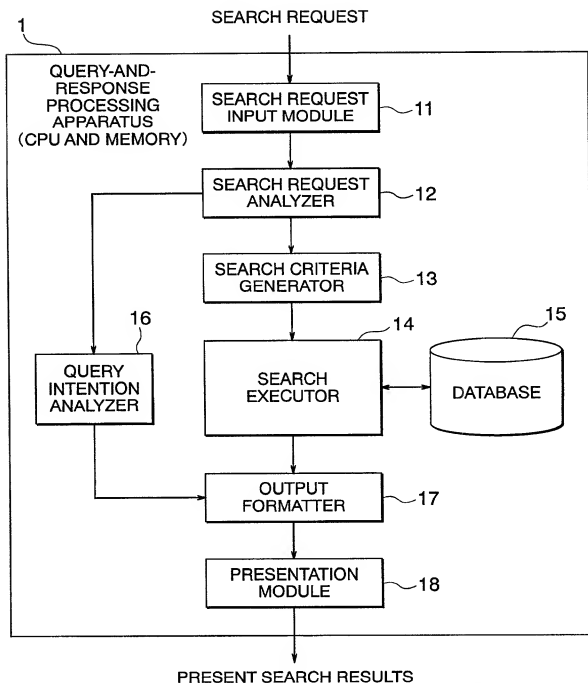


FIG. 2

15

DATABASE

COMPANY INFORMATION			PRODUCT INFORMATION		OTHER INFORMATION	
COMPANY NAME	LOCATION	REPRESENTATIVE	PRODUCT CLASS	PRODUCT NAME	PRICE	EVENT TYPE
CAMPANY A	KAWASAKI	YAMAMOTO	KEYBOARD	XYZ	50,000	SALES
LABORATORY B	YOKOHAMA	YAMAZAKI	SOFTWARE	QRS	80,000	DEVELOPMENT
⋮	⋮	⋮	⋮	⋮	⋮	⋮

* : MAIN ITEM FLAG

FIG. 3

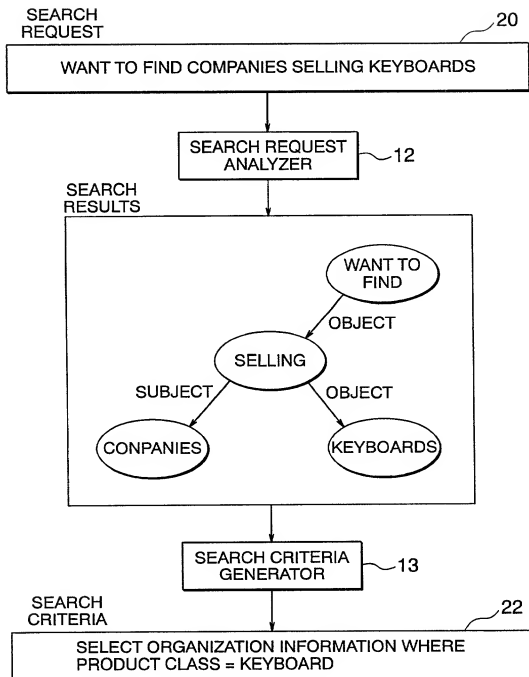
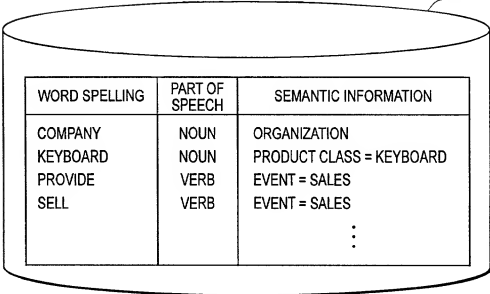


FIG. 4

ANALYSIS DICTIONARY



23

WORD SPELLING	PART OF SPEECH	SEMANTIC INFORMATION
COMPANY	NOUN	ORGANIZATION
KEYBOARD	NOUN	PRODUCT CLASS = KEYBOARD
PROVIDE	VERB	EVENT = SALES
SELL	VERB	EVENT = SALES
		...

FIG. 5

SEARCH CRITERIA GENERATOR

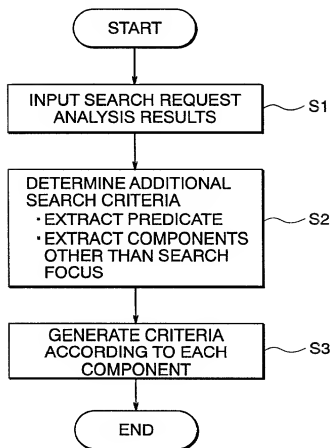


FIG. 6

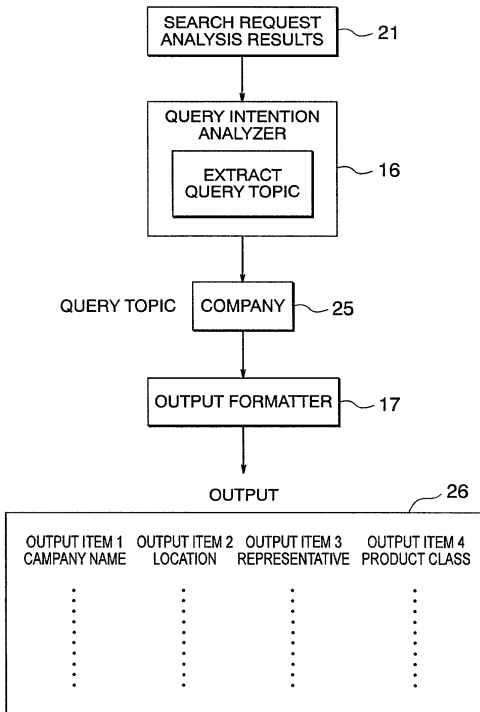
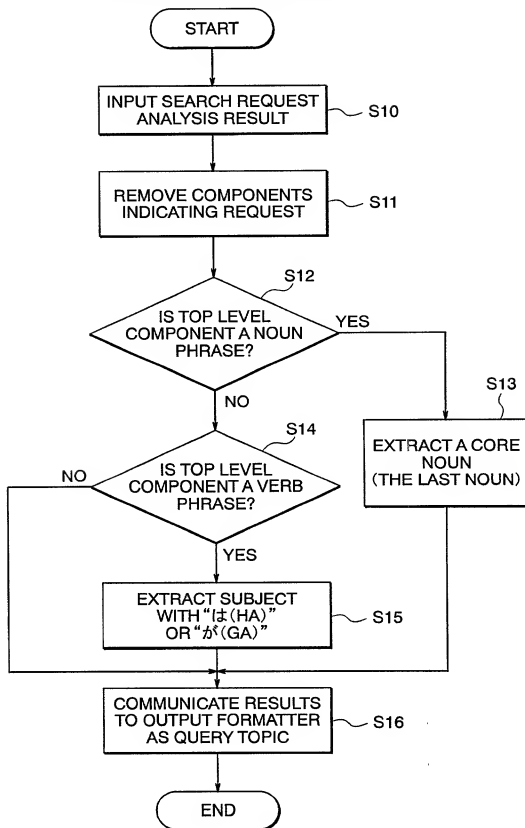


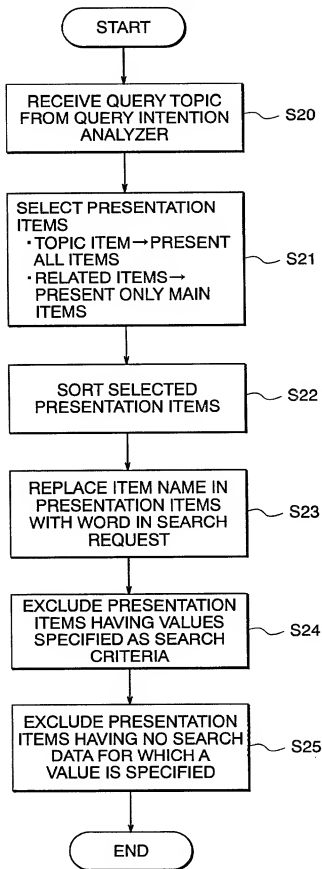
FIG. 7

QUERY INTENTION ANALYZER



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FIG. 8
OUTPUT FORMATTER



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FIG. 9

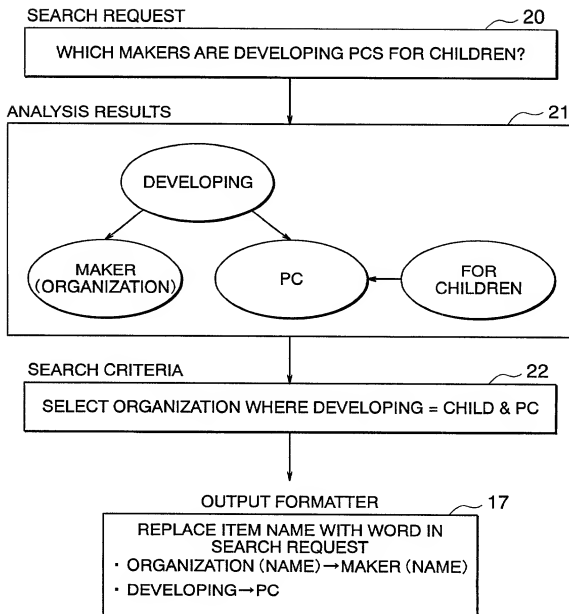


FIG. 10

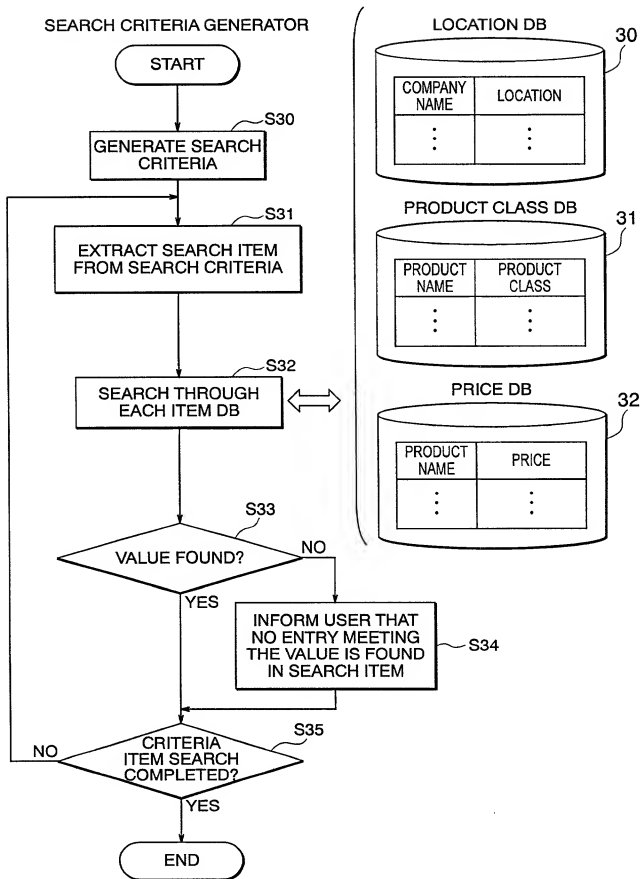
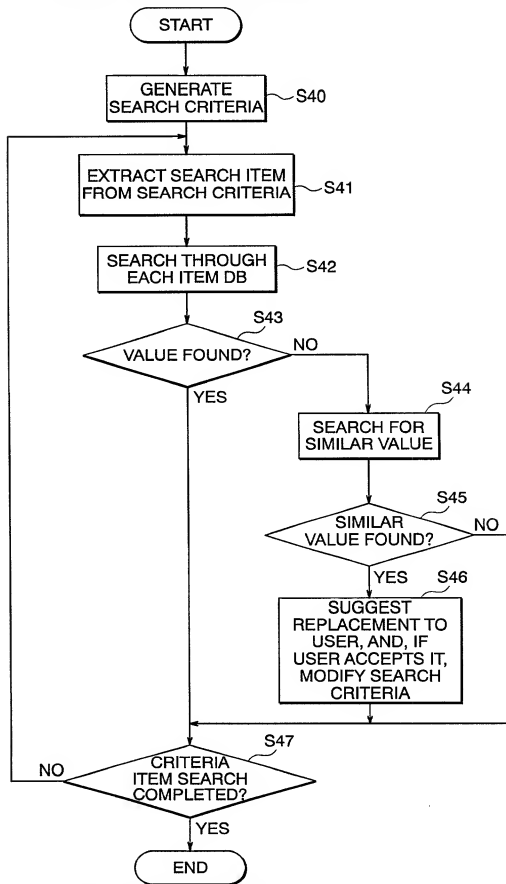


FIG. 11

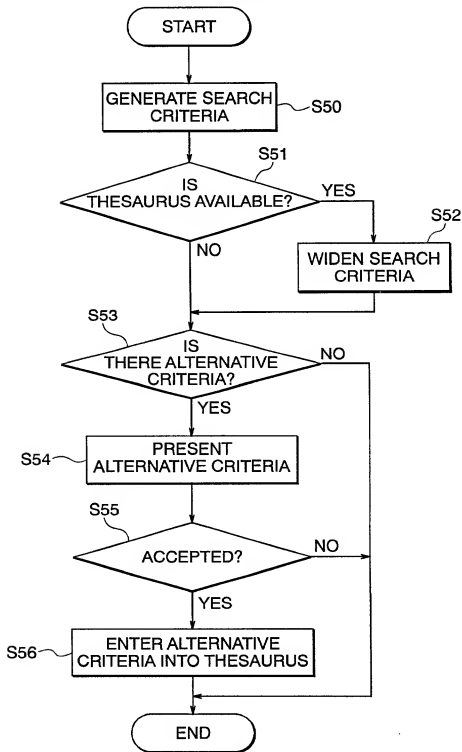
SEARCH CRITERIA GENERATOR



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FIG. 12

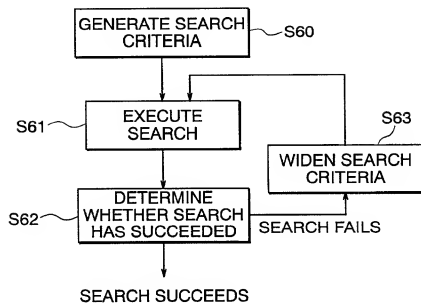
SEARCH CRITERIA GENERATOR



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FIG. 13A

WIDENING SEARCH CRITERIA



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FIG. 13B

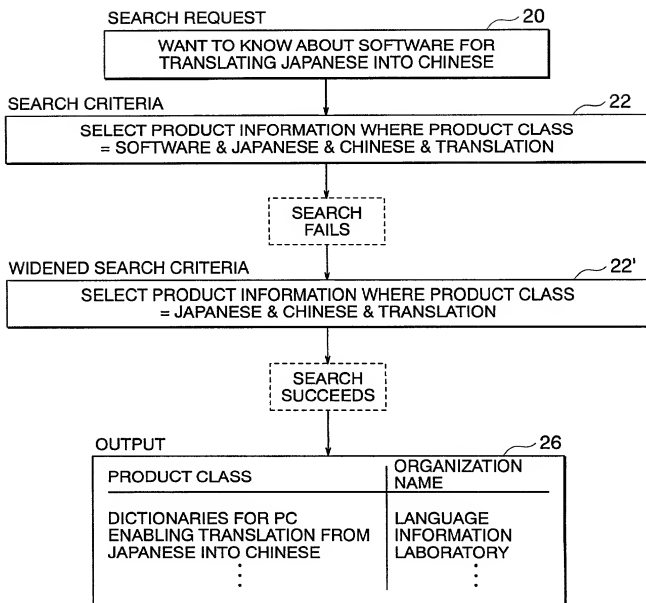


FIG. 14A

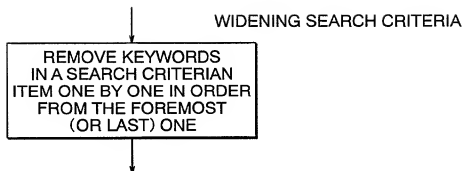


FIG. 14B

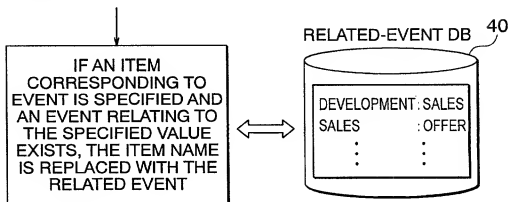


FIG. 14C

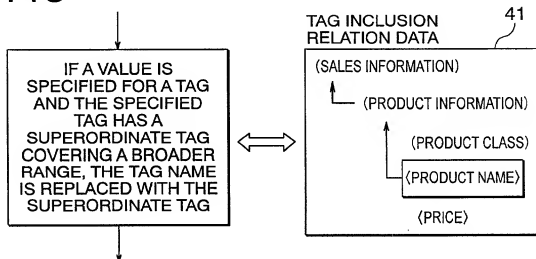
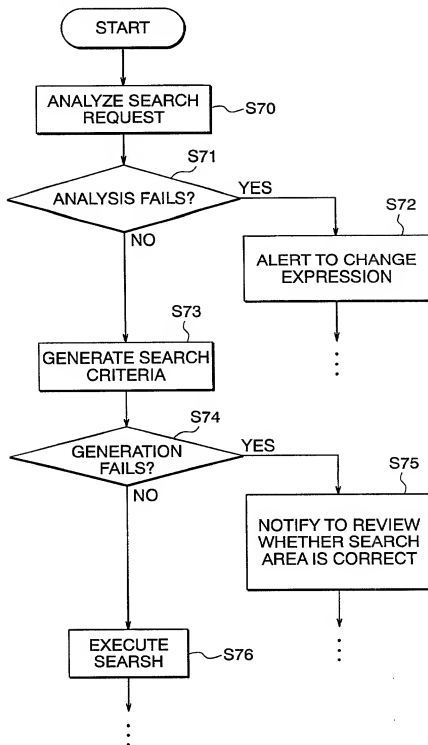


FIG. 15

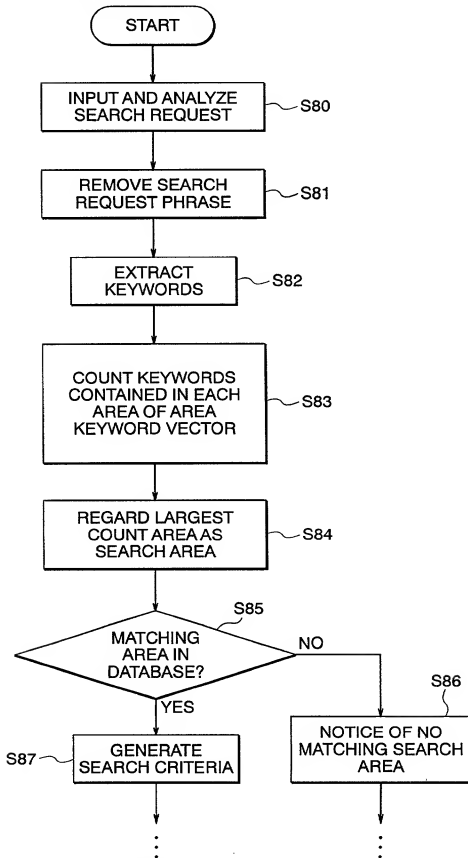
CONFIRMING SEARCH AREA



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FIG. 16

DETERMINING SEARCH AREA



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FIG. 17

SEARCH CRITERIA GENERATOR

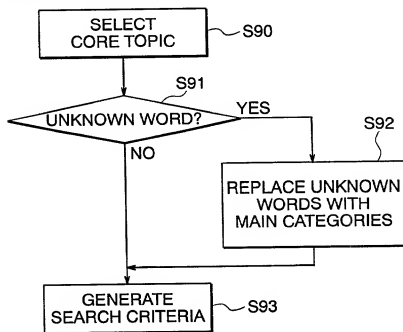


FIG. 18

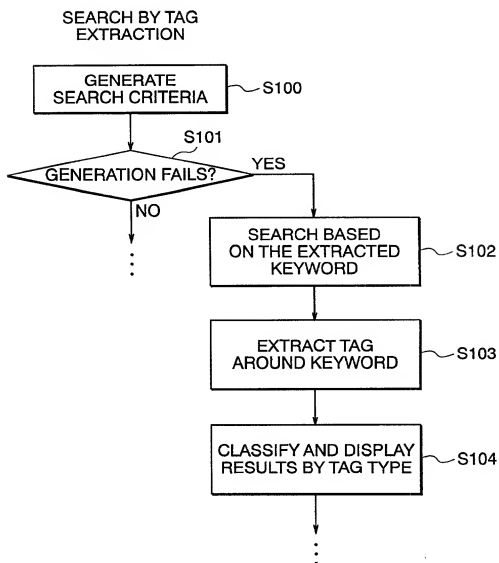


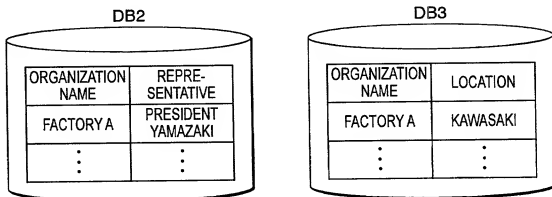
FIG. 19

PROCESS FOR COMPLEMENTING TEXT IN DATABASE

(A) CORRESPONDENCE TABLE BETWEEN TAGS AND SECONDARY DBS

TAG ITEM	A	B	REPRESENTATIVE	LOCATION
SECONDARY DB	NONE	DB1	DB2	DB3

(B)



(C) ESSENTIAL ITEM LIST

ORGANIZATION	ORGANIZATION NAME	LOCATION	REPRESENTATIVE
PRODUCT	PRODUCT CLASS	PRODUCT NAME	PRICE
⋮	⋮	⋮	⋮

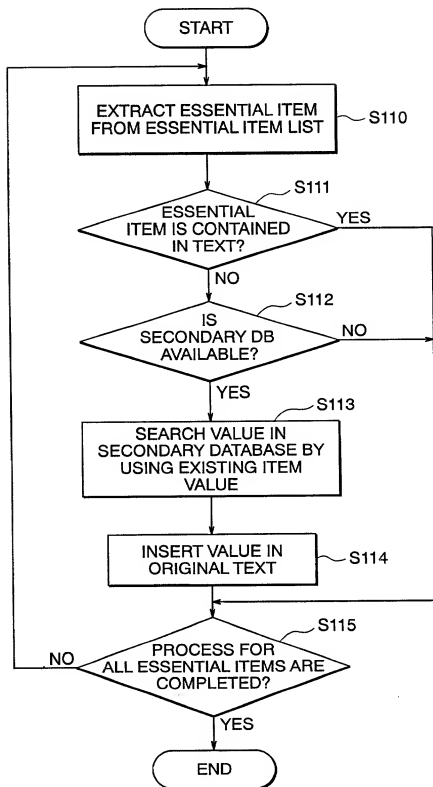
(D) TEXT

⟨ORGANIZATION NAME⟩ FACTORY A ⟨/ORGANIZATION NAME⟩

(E) COMPLEMENT TEXT

⟨ORGANIZATION NAME⟩ FACTORY A ⟨/ORGANIZATION NAME⟩
 ⟨REPRESENTATIVE⟩ PRESIDENT YAMAZAKI
 ⟨/REPRESENTATIVE⟩⟨LOCATION⟩ KAWASAKI ⟨/LOCATION⟩

FIG. 20



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FIG. 21

